

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
JUN 27 1988
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK
DIVISION OF OIL, GAS & MINING

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☒

2. NAME OF OPERATOR

Yates Petroleum Corporation (303) 534-0677

3. ADDRESS OF OPERATOR

105 South 4th Street, Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

713' FNL & 2077' FWL (NENW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19 air miles NE of Montezuma Creek, Utah

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

563'

16. NO. OF ACRES IN LEASE

600

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

5,800' *Alch*

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,194' ungraded ground

22. APPROX. DATE WORK WILL START*

July 14, 1988

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48* (H-40, ST&C)	80'	≈75 cu ft or to surface
12-1/4"	8-5/8"	24* (K-55, ST&C)	1,700'	≈1,050 cu ft or to surface
7-7/8"	5-1/2"	15.5* (K-55, ST&C)	5,800'	≈250 cu ft or to 4,800'

TIGHT HOLE. PLEASE KEEP CONFIDENTIAL.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Brian Wood

TITLE

Consultant

DATE

6-25-88

(This space for Federal or State office use)

cc: Beardemph (3), MDO (3), SJRA, UDOGM (2)

PERMIT NO.

43-037-31456

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

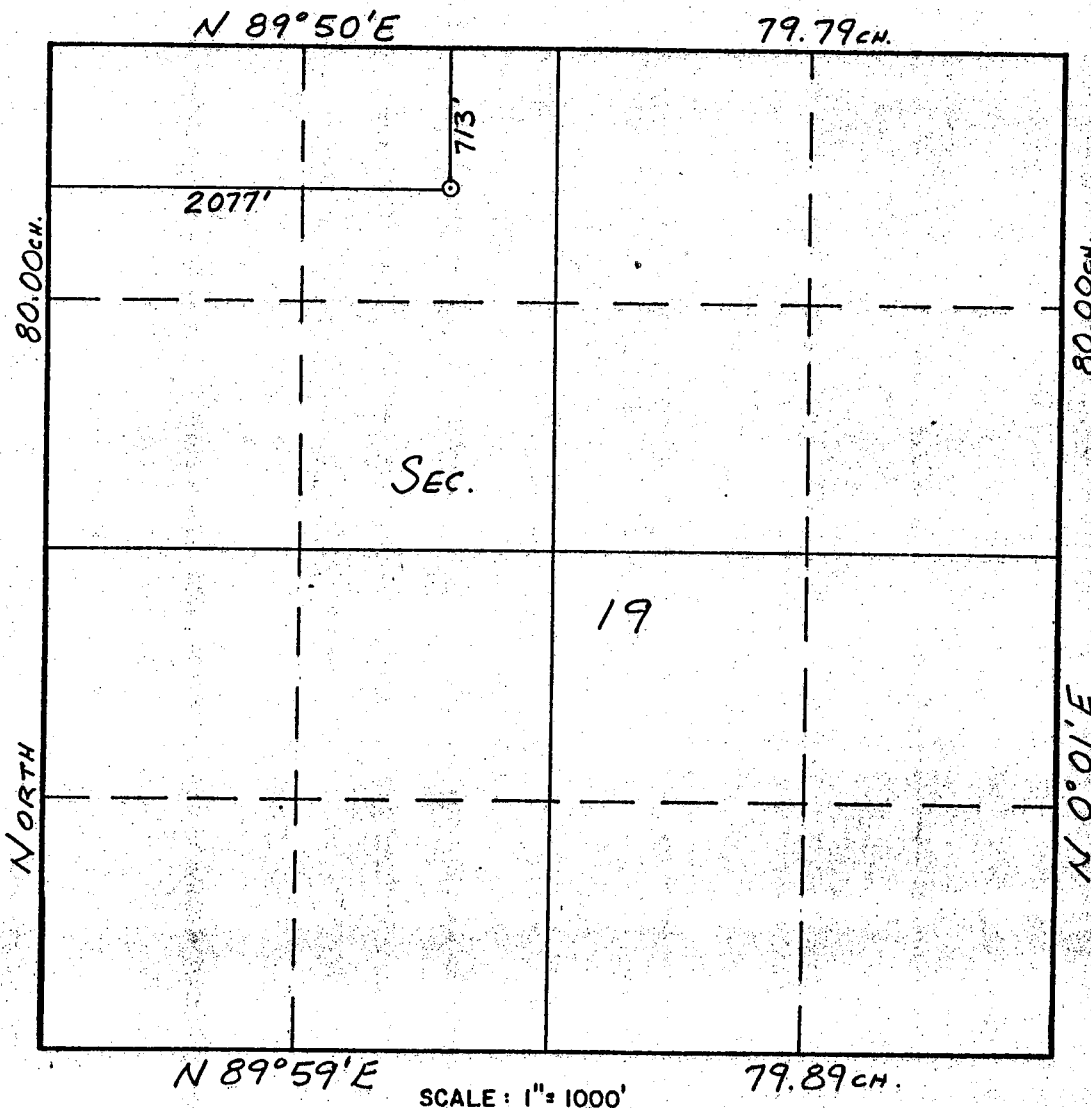
DATE: 10-3-88

BY: *R. B. Bays*

WELL SPACING: *Case No. 188-3*

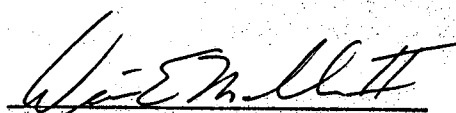
*See Instructions On Reverse Side

COMPANY YATES PETROLEUM CORPORATION
 LEASE THREE AMIGOS FEDERAL WELL NO. 1
 SEC. 19, T. 38 S, R. 26 E
 COUNTY San Juan STATE Utah
 LOCATION 713'FNL & 2077'FWL
 ELEVATION 5194



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD
 NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION
 AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY
 KNOWLEDGE AND BELIEF.




 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. NO 8466

SURVEYED JUNE 17, 1988

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All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. Yates Petroleum Corporation will furnish a copy of these conditions to its field representative to assure compliance.

8 Point Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation Name</u>	<u>Depth from GL*</u>	<u>Depth from KB</u>	<u>Subsea Depth</u>
Morrison	000'	12'	+5,194'
Entrada	763'	775'	+4,431'
Navajo	953'	965'	+4,241'
Chinle	1,573'	1,585'	+3,621'
Shinarump	2,378'	2,390'	+2,816'
Cutler	2,535'	2,547'	+2,659'
Honaker Trail	4,458'	4,470'	+ 736'
Paradox	5,238'	5,250'	- 44'
Upper Ismay	5,378'	5,390'	- 184'
Lower Ismay	5,613'	5,625'	- 419'
Upper Desert Creek	5,668'	5,680'	- 474'
Lower Desert Creek	5,738'	5,750'	- 544'
Akah Shale	5,773'	5,785'	- 579'
Total Depth (TD)	5,800'	5,812'	- 606'

* ungraded GL

2. NOTABLE ZONES

The estimated depths from ungraded GL at which water, oil, gas, or other

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mineral bearing zone formation tops are expected to be encountered are:

Possible Fresh Water Zones

Morrison: 000'

Entrada: 763'

Navajo: 953'

Possible Uranium Zones

Morrison: 000'

Chinle: 1,573'

Possible Oil & Gas Zones

Honaker Trail: 4,458'

Upper Ismay: 5,378'

Lo. Desert Creek: 5,738'

Possible Salt Water Zones

Shinarump: 2,378'

Cutler: 2,535'

Water bearing zones will be protected with weighted mud. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

3. PRESSURE CONTROL (Also see "5." on PAGE 4)

BOP systems will be consistent with API RP 53. A 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used. A diagram of a typical BOP is on Page 3. Actual model will not be known until bid is let. A kelly cock and sub with full opening valve will be on the floor.

Ram type preventers will be tested to the rated working pressure of the stack or to 70% of the internal yield of the casing, whichever is less. The annular type preventer will be tested to 50% of its rated working pressure.

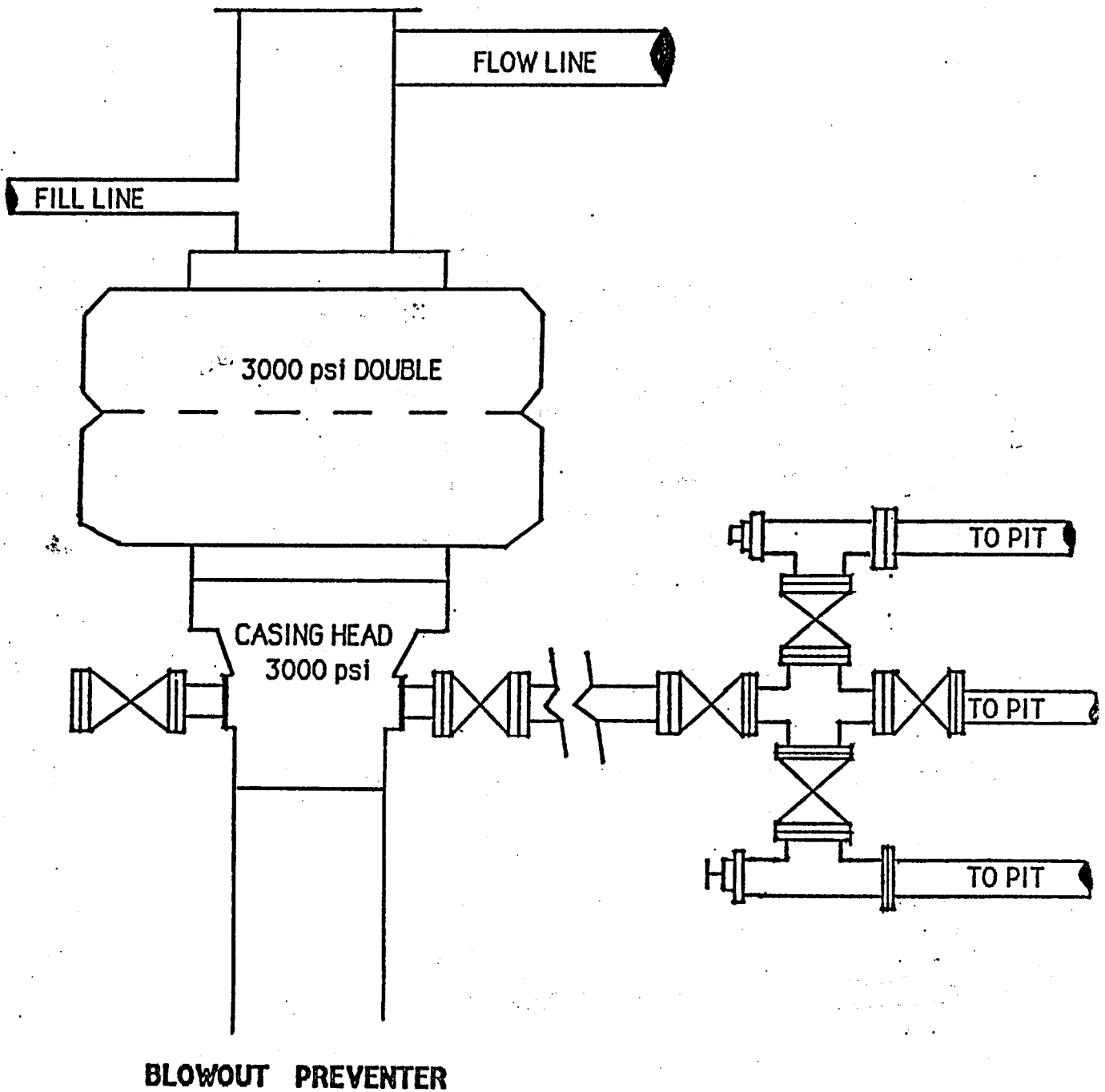
Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs.

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BOPs will be inspected and operated at least daily to assure good mechanical working order. All BOP mechanical tests, pressure tests, and inspections will be recorded on the drillers log or daily drilling report.



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4. CASING & CEMENTING

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	<u>Setting Depth (GL)</u>
17-1/2"	13-3/8"	48#	H-40	ST&C	New	0' - 80'
12-1/4"	8-5/8"	24#	J-55	ST&C	New	0' - 1,700'
7-7/8"	5-1/2"	15.5#	J-55	ST&C	New	0' - 5,800'

Conductor Pipe (0' - 80'): Cement to surface with \approx 75 cu. ft. standard cement.

Surface Casing (0' - 1,700'): Cement to surface in one stage with \approx 1,050 cu. ft. Class C cement with 2% CaCl_2 . Casing shoe @ 1,700'. Float @ 1,660'.

Production Casing (0' - 5,800'): Cement across zones of interest in one stage, if warranted, with \approx 250 cu. ft. Class C to reach estimated top at 4,800'. Float collar will be set \approx 40' above TD with casing shoe at TD (5,800').

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Viscosity (sec/qt)</u>	<u>FL(cc)</u>
0' - 5,200'	Fresh Water			
5,200' - 5,800'	Fr. Water gel & starch	8.5-9.8	35-45	10-15

There will be a flow sensor and pit level indicator.

6. CORING, TESTING, & LOGGING

No cores are planned. Cuttings will be collected every 10' from the base of the surface casing (1,700') to TD (5,800'). Drill stem tests may be run in the Upper Ismay (primary objective), Lower Desert Creek (secondary

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objective), and elsewhere (e.g., Honaker Trail) if good shows are found. The following logs may be run from the base of the surface casing to TD:

CIL and CNL/LDT
Dipmeter
DLL and BHC-Sonic

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3164. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the District Office.)

7. DOWNHOLE CONDITIONS

The maximum anticipated bottom hole pressure is 2,500 psi. No abnormal pressures, temperatures, or hydrogen sulfide are expected.

8. MISCELLANEOUS

The anticipated spud date is July 15, 1988. It is expected it will take \approx 15 days to drill the well and \approx 10 days to complete the well.

The spud date will be phoned to the Resource Area, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Office within 24 hours after spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the

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following regular week day.

Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Office.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

If the well is successfully completed for production, then the District Office will be notified. Written notification will be sent not later than 5 business days following the date on which the well is placed on production. The Resource Area will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Office's approval *per* NTL-4A.

A Sundry Notice will be sent to the District Office within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of the Area Manager.

Once plugged, a regulation dry hole marker will be installed. The following information will be beaded on with a welding torch: Yates Petroleum Corporation, Three Amigos Federal #1, NENW 19-38s-26e, U-64074.

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13 Point Surface Use Plan

1. DIRECTIONS & EXISTING ROADS (See PAGES 15 - 17)

From the Montezuma Creek Post Office, go north 14 mi. on U-262.
Then turn right and go east 6.5 mi. on paved County Road #N-5099 to Hatch Trading Post.
Then turn left and go north 2.4 mi. on County Road #246 (Montezuma Creek) to the end of the pavement.
Then turn right and go east 7.0 mi. on County Road #220 (Cross Canyon), carefully fording Montezuma Creek in route.
Then turn left at the junction of Squaw and Cross Canyons and go north 1.1 mi., still on County Road #220.
Then bear left and go northwest 1.0 mi. on a county Class D road to a MCOR dry hole.

Existing roads are successively state, county, and BLM. Both Navajo Reservation and Ute Mt. Ute Reservation lands are crossed on state and county roads. Roads will be maintained to a standard at least equal to their present condition. No upgrading is needed.

An Encroachment Permit has been approved by the San Juan County Road Department. Yates is applying for a BLM right-of-way for the southernmost 0.6 mi. of the county Class D road.

2. NEW ROADS (See PAGE 16)

New construction will start at the Class D county road. There will be 0.25 mi. of road to be built. It will be flat bladed with a 16' wide running surface and 30' maximum disturbed width. No fence crossings or culverts are needed. Turnouts will be built as needed. Maximum cut or fill will be

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5'. Maximum grade will be 10%.

Surface disturbance and vehicle travel will be limited to the approved location and road. Any additional area needed will be approved in advance by the Area Manager.

The new road will be water barred or upgraded to Class 3 Road Standards within 60 days of dismantling the drill rig. If the deadline cannot be met, the Resource Area will be notified so that temporary drainage control can be installed. Class 3 Road Standards control drainage through the use of topography, ditch turnouts, dips, outsloping, crowning, low water crossings, and culverts. Specific measures will be determined at a BLM-Yates field inspection.

3. EXISTING WELLS (See PAGE 17)

There are no water, injection, or disposal wells within 1 mile. MCOR has 2 producing wells in the same section. They are:

Squaw Canyon 1-19 is 2,153' away @ 1720' FNL & 1300' FEL

Squaw Canyon 3-19 is 945' away @ 1100' FNL & 2340' FEL

4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. A Sundry Notice will be submitted before they are installed.

All permanent (on site for 6 or more months) surface facilities will be painted a flat, neutral, earthtone color. Painting will be completed within 6 months of installation. Parts required to comply with OSHA colors are excluded.

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The tank battery will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines and valves will be placed inside the dike.

All site security guidelines in 43 CFR 3162.7-4 will be obeyed. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease must have prior written approval from the District Office.

Any gas meter run will be within 500' of its wellhead. The gas line will be buried from the wellhead to the meter and downstream for the remainder of the pad. Meters will be housed and/or fenced.

Oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before delivery begins. Meter accuracy tests will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Resource Area will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Resource Area. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

5. WATER SUPPLY (See PAGE 16)

Water will be trucked ≈4 mi. from an artesian well on BLM land in NW 35-38s-25e. An Application to Appropriate Water has been filed with the State of Utah Div. of Water Rights.

6. CONSTRUCTION MATERIALS

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Pad construction materials are native *in situ* soils on lease. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.1-3.

7. WASTE DISPOSAL

The reserve pit will be lined with native bentonite in place on the pad. Over half the capacity will be in cut. The pit will be fenced on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries.

All trash will be placed in a trash cage near the mud tanks. When full, it will be hauled to the Blanding dump or an approved landfill in Montezuma County, Colorado. A burning permit is required for burning trash between May 1 and October 31. Obtain a burning permit by calling the San Juan County Sheriff at (801) 587-2237. The road and pad will be kept litter free.

Human waste will be disposed of in 10' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to the reserve pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B application will be submitted for the District Manager's approval of a permanent disposal method and site.

8. ANCILLARY FACILITIES

There will be no airstrip or formal camp. Three camper trailers may be on site for the company man, mud logger, and tool pusher.

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9. WELL SITE LAYOUT

See PAGES 18 and 19 for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, trash cage, access road onto the pad, parking, living facilities, and rig orientation.

No topsoil is present on the pad. Trees will not be buried in the fill, but will be pushed off the location. Topsoil along the access will be reserved by windrowing along the road.

10. RECLAMATION

Immediately upon completion of drilling, all trash and debris will be collected from the pad and surrounding area and placed in the trash cage.

Yates' dirt contractor will call the Resource Area 48 hours before starting reclamation that involves earth moving equipment, and upon completion of reclamation. The reserve pit must be completely dry before it is backfilled.

All disturbed areas will be recontoured to blend as nearly as possible with the natural topography.

Soil, trees, and brush will be spread evenly over the disturbed area. All disturbed areas will be ripped 6" deep with the contour. Rippers will be 18" apart.

Seed will be broadcast between October 1 and February 28 with the following mixture. A harrow or similar implement will be dragged over the area to assure seed cover.

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<u>Species</u>	<u>Rate (pounds/acre)</u>
Crested wheatgrass (<i>Agropyron desertorum</i>)	6
Fourwing saltbush (<i>Atriplex canescens</i>)	2
Desert bitterbrush (<i>Purshia glandulosa</i>)	2
Yellow sweetclover	0.5

The new access will be blocked to prevent vehicle access. The reserve pit and that part of the pad not needed for production will be reclaimed as previously described.

11. SURFACE OWNER

BLM is the owner of the pad and new road.

12. OTHER INFORMATION

The dirt contractor will be provided with an approved copy of the surface use plan.

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* 43 CFR 3164.

All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.3-2.

All people in the area who are associated with the project will be informed that they can be prosecuted for disturbing archaeological or paleontological sites or collecting artifacts, arrowheads, or fossils.

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If at any time facilities located on public lands authorized by the lease terms are no longer included in the lease (due to unit contraction or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rent, or other financial obligation determined by BLM.

This permit will be valid for one year from the date of approval. After permit expiration, a new permit will be filed for approval of any future operations.

The District Office's mailing address is P.O. Box 970, Moab, Utah 84532. The phone number is (801) 259-6111.

The Resource Area's mailing address is P.O. Box 7, Monticello, Utah 84535. The phone number is (801) 587-2141.

The nearest hospital is a 75 minute drive to Monticello. Monticello's hospital is 3 blocks northwest of the intersection of US 666 and US 191. Phone number is (801) 587-2116. The nearest medical helicopter is in Grand Junction, Colorado, at St. Mary's Hospital. Call (303) 244-2550.

13. REPRESENTATION AND CERTIFICATION

Anyone having questions concerning the APD should contact:

Brian Wood
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87505
(505) 984-8120

The field representative for Yates Petroleum Corporation is Al Springer.

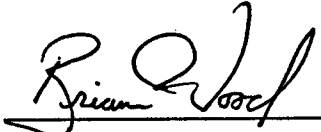
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CERTIFICATION

I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



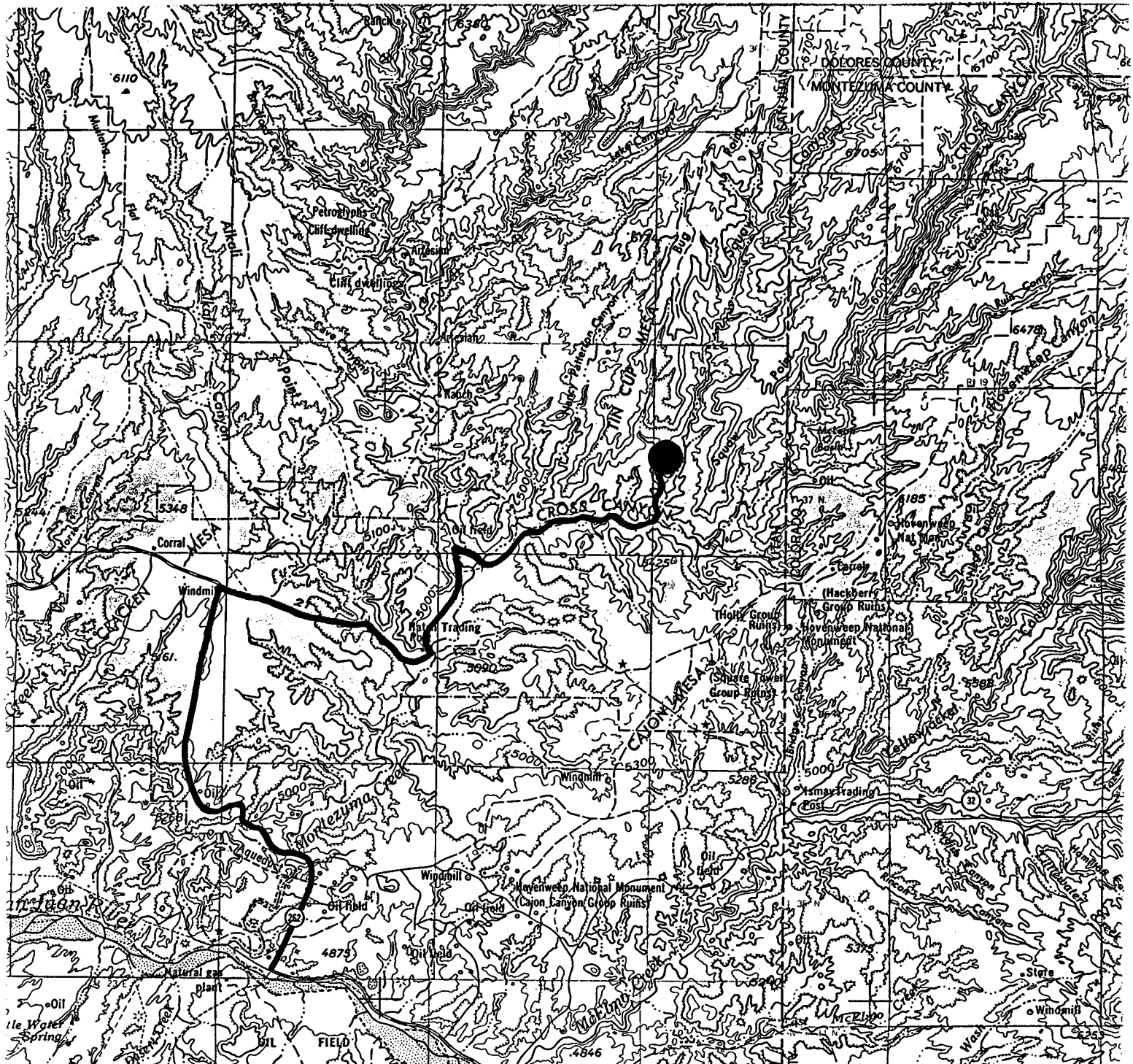
Brian Wood

June 25, 1988
Date

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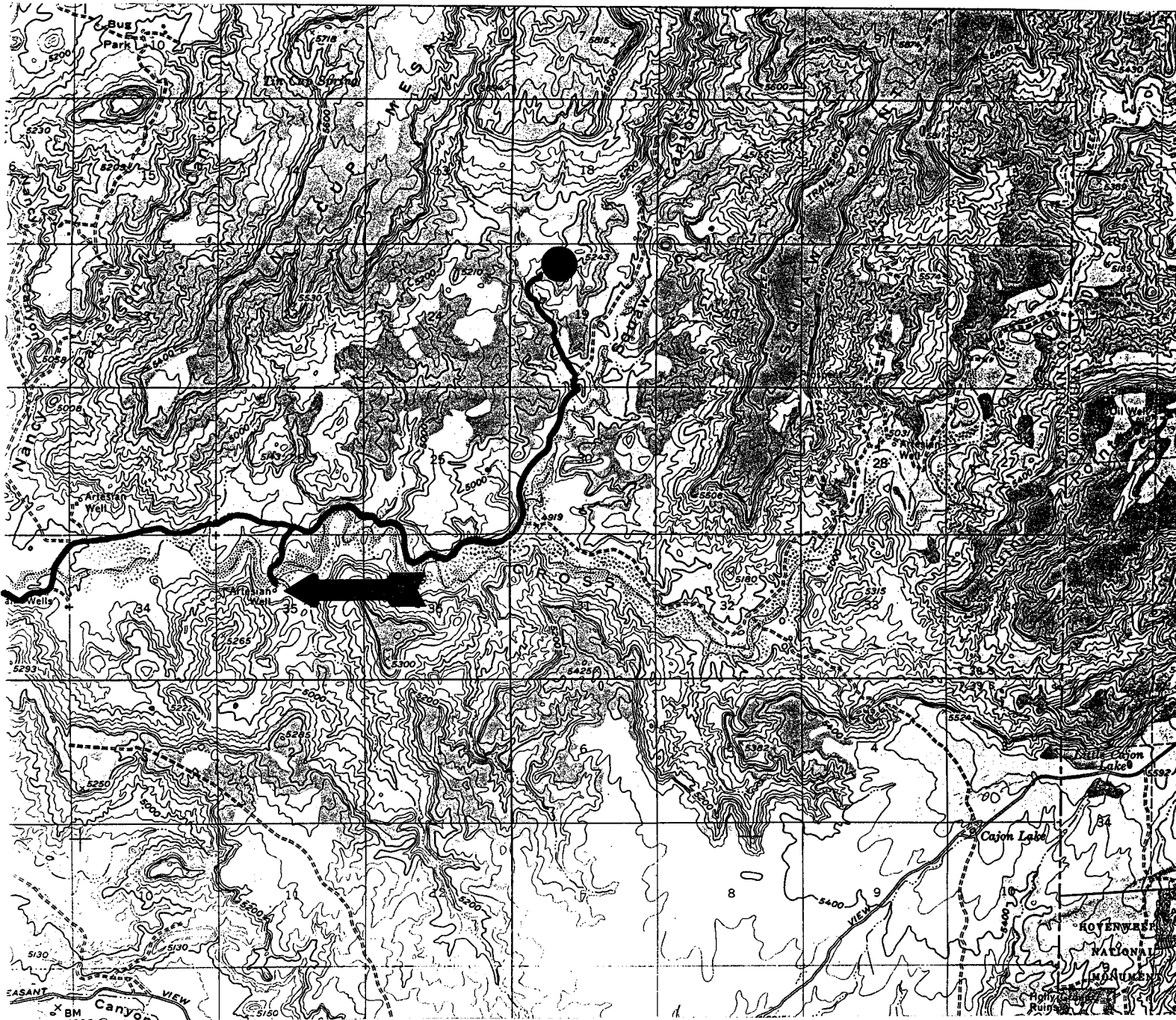
Three Amigos Federal #1: ●

Access Route: ~~~~~

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Three Amigos Federal #1: ●

Water Source: ←

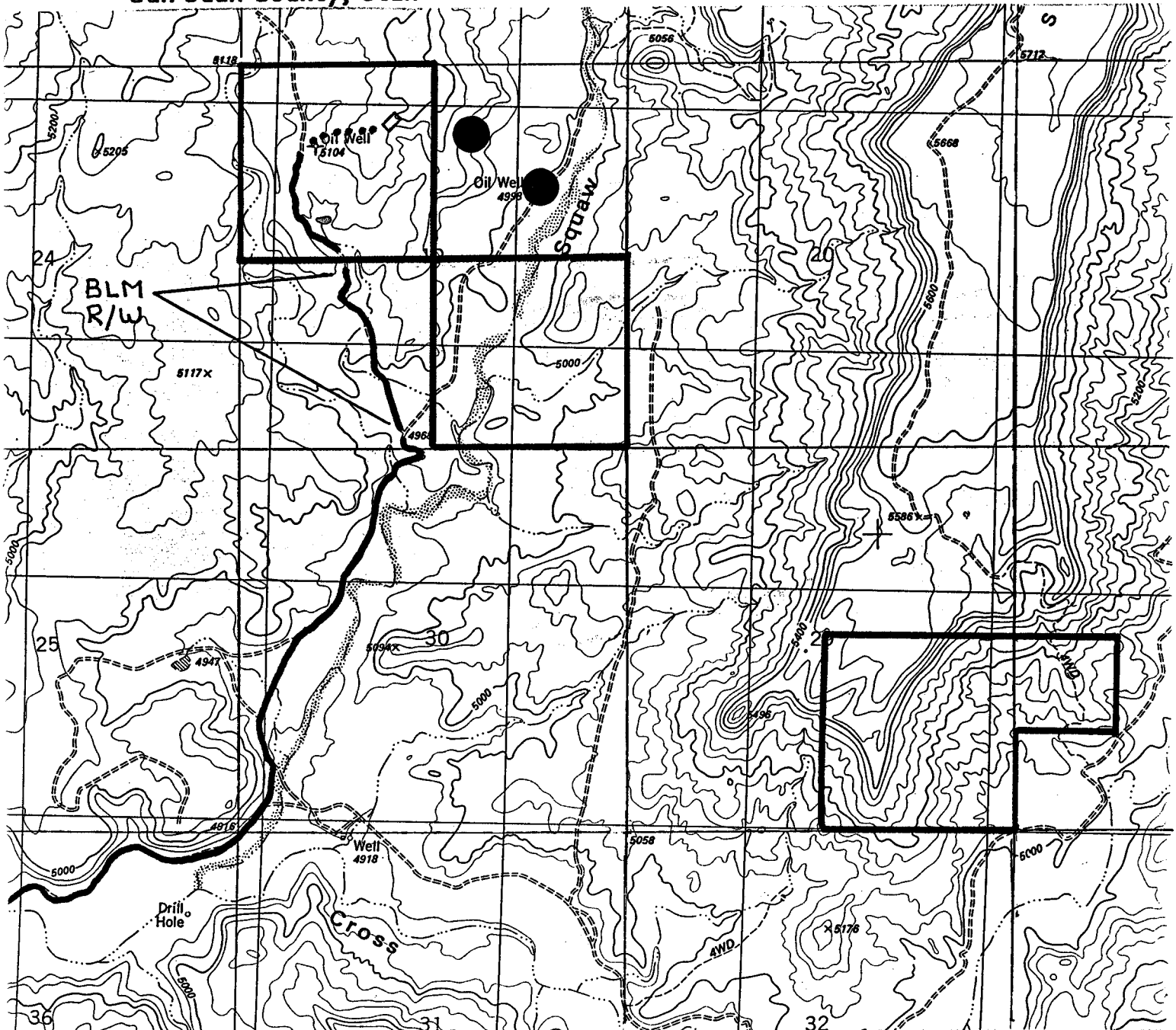
Access Route: ~

PERMITS WEST, INC.
PROVIDING PERMITS for the ENERGY INDUSTRY

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Three Amigos Federal #1: ◇

Lease U-64074: ▮

Existing Road: ~~~~~

MCOR Oil Wells: ●

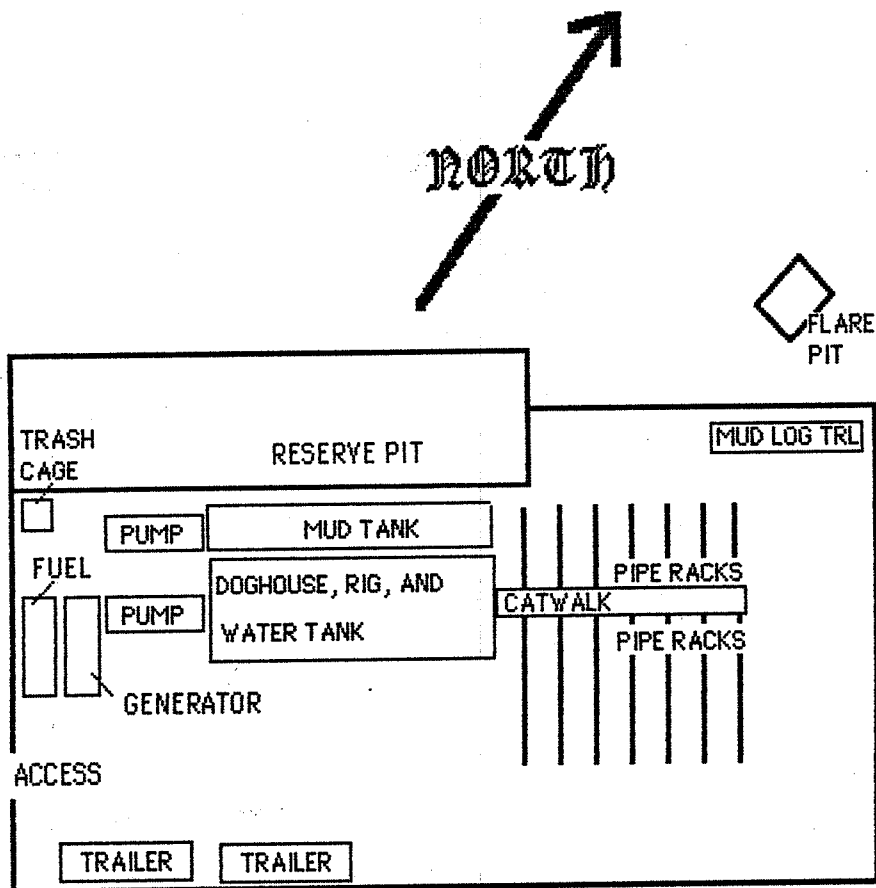
New Road:

PERMITS WEST, INC.
 PROVIDING PERMITS for the ENERGY INDUSTRY

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RECEIVED
TEMPORARY
 JUN 27 1988

FILING FOR WATER IN THE **STATE OF UTAH**

WATER RIGHTS **APPLICATION TO APPROPRIATE WATER**

DIVISION OF
 OIL, GAS & MINING

RRICE

Rec. by 98
 Fee Rec. 30.00
 Receipt # 24405
 Microfilmed _____
 Roll # _____

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

* WATER RIGHT NO. 09 — 1579

* APPLICATION NO. A T63309

1. *PRIORITY OF RIGHT: June 15, 1988 * FILING DATE: June 15, 1988

2. OWNER INFORMATION

Name(s): Yates Petroleum Corporation c/o Permits West, Inc. * Interest: 100 %
 Address: 37 Verano Loop (505) 984-8120
 City: Santa Fe State: NM Zip Code: 87505
 Is the land owned by the applicant? Yes _____ No XXX

(If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: _____ cfs and/or Three ac-ft

4. SOURCE: Cross Canyon well * DRAINAGE: _____
 which is tributary to Cross Canyon Creek
 which is tributary to Montezuma Creek

POINT(S) OF DIVERSION: _____ COUNTY: San Juan
South 1974.86 feet and West 565.14 feet from the NE corner of Sec. 35, T. 38 S., R. 25 E., SLBM

Description of Diverting Works: 9" & 13" casing, 1465 feet deep
Water will be pumped directly into 85 bbl tank trucks.
 * COMMON DESCRIPTION: 6 miles NE of Hatch Trading Post Cajon Mesa Quad

5. POINT(S) OF REDIVERSION

The water will be rediverted from N/A at a point:

Description of Rediverting Works: _____

6. POINT(S) OF RETURN

The amount of water consumed will be _____ cfs or 3.0 ac-ft
 The amount of water returned will be _____ cfs or _____ ac-ft
 The water will be returned to the natural stream/source at a point(s): _____

7. STORAGE

Reservoir Name: N/A Storage Period: from _____ to _____
 Capacity: _____ ac-ft. Inundated Area: _____ acres
 Height of dam: _____ feet
 Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

TEMPORARY

Appropriate

8. List any other water rights which will supplement this application _____
Application supplements other entities' water rights for stockwatering, etc. 1988-1989

9. NATURE AND PERIOD OF USE

Irrigation:	From _____	to _____
Stockwatering:	From _____	to _____
Domestic:	From _____	to _____
Municipal:	From _____	to _____
Mining:	From _____	to _____
Power:	From _____	to _____
Other:	From <u>July 20, 1988</u>	to <u>July 19, 1989</u>

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Water will be used for oil well drilling mud, dust control, compaction, etc.

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): _____
South 590' and East 1910' from the NW corner of Sec. 19, T. 38 S., R. 26 E., SLBM at the Three Amigos
Federal #1 oil well (NENW 19-38s-26e).

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary): From #2: Land is public (federal) and administered by BLM of
Monticello, Utah. BLM will approve this use as part of its approval of the oil well which is also on BLM
land.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Brian Wolf
Signature of Applicant(s)

TEMPORARY

STATE ENGINEER'S ENDORSEMENT

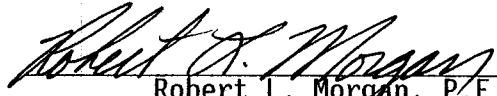
WATER RIGHT NUMBER: 09 - 1579

APPLICATION NO. T63309

1. June 15, 1988 Application received by MP.
 2. June 16, 1988 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-

Conditions:

This application is hereby APPROVED, dated June 24, 1988, subject to prior rights and this application will expire on June 24, 1989.


Robert L. Morgan, P.E.
State Engineer

CONFIDENTIAL

OPERATOR Yates Petroleum Corp. DATE 6/27/88
WELL NAME Three Amigos Fed. 1
SEC NE.NW 19 T 38S R 26E COUNTY San Juan

43-037-31456
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR OIL SHALE

PROCESSING COMMENTS:

Exception location to Cause No. 188-1 - approved 9-22-88
water permit 09-1579 / T63309
Cause No. 188-3 9-22-88

CONFIDENTIAL
PERIOD
EXPIRED
ON 02-01-90

APPROVAL LETTER:

SPACING: ☐ R615-2-3 UNIT ☐ R615-3-2
☐ 188-3 9-22-88 ☐ R615-3-3
CAUSE NO. & DATE

STIPULATIONS:

CN 188-1 ○

Squaw
Cyn.

11-19-80

6-29-82

Phil Lear

532-3333

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 26 1988

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

OIL, GAS & MINING
PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Yates Petroleum Corporation (303) 534-0677

3. ADDRESS OF OPERATOR

105 South 4th Street, Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

713' FNL & 2077' FWL (NENW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19 air miles NE of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

563'

16. NO. OF ACRES IN LEASE

600

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

5,800'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,194' ungraded ground

22. APPROX. DATE WORK WILL START*

July 14, 1988

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48* (H-40, ST&C)	80'	*75 cu ft or to surface
12-1/4"	8-5/8"	24* (K-55, ST&C)	1,700'	*1,050 cu ft or to surface

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Brian Rhea

TITLE

Consultant

DATE

6-25-88

(This space for Federal or State office use)

cc: Beardemphl (3), MDO (3), SJRA, UDOGM (2)

PERMIT NO.

APPROVAL DATE

APPROVED BY /s/Kenneth V. Rhea

TITLE

Acting District Manager

DATE

9/22/88

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

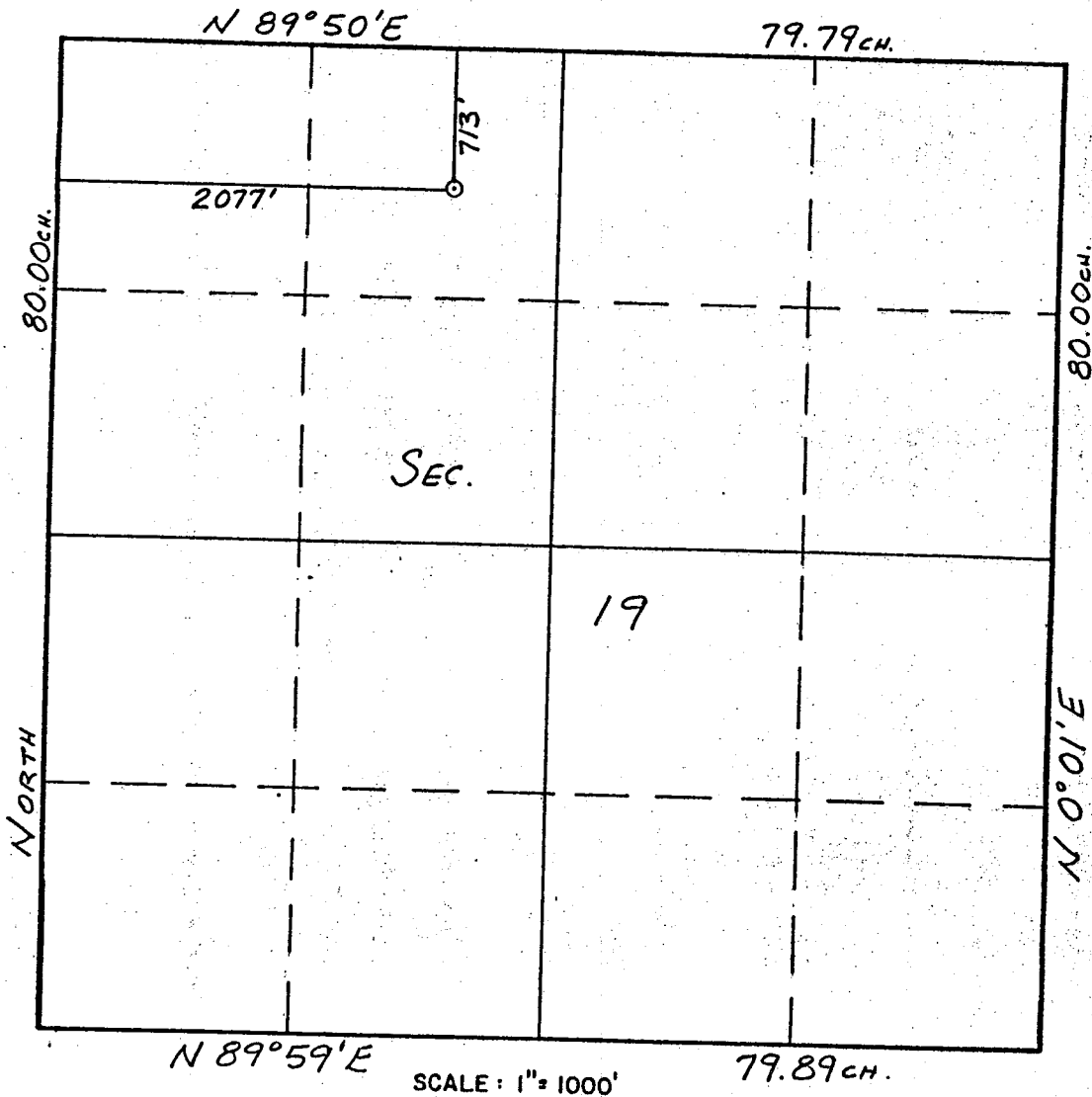
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH-DOGM

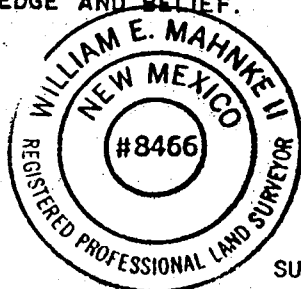
SUBJECT TO RIGHT OF WAY
APPROVAL

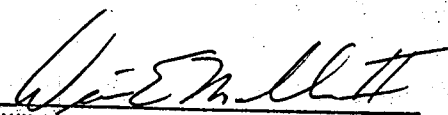
COMPANY YATES PETROLEUM CORPORATION
LEASE THREE AMIGOS FEDERAL WELL NO. 1
SEC. 19, T. 38 S, R. 26 E
COUNTY San Juan STATE Utah
LOCATION 713'FNL & 2077'FWL
ELEVATION 5194



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:




WILLIAM E. MAHNKE II
NEW MEXICO P.L.S. Nº 8466

SURVEYED JUNE 17, 1988

Yates Petroleum Corporation
Well No. Three Amigos Fed 1
NENW Sec. 19, t. 38 S., R. 26 E., SLB&M
San Juan County, Utah
Lease U-64074

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Yates Petroleum Corporation is considered to be the operator of the above well, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Bond No. A-R-71373-49 (Principal - Yates Petroleum Corporation) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

B. THIRTEEN-POINT SURFACE

1. All persons in the area who are associated with the project will be informed by the holder/operator that they will be subject to prosecution for disturbing archaeological sites or paleontological sites, or collecting artifacts or fossils.

Any cultural and/or paleontological resource discovered by the holder/operator, or any person working on his behalf, on public or federal land shall be immediately reported to the authorized officer (BLM-San Juan Resource Area Office (801) 587-2141). The holder/operator shall immediately suspend all operations in the area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder/operator will be responsible for the cost of evaluation of the discovery and of any required mitigation measures. Any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder/operator and other affected parties.

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2144 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed:

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 3, 1988

Yates Petroleum Corporation
105 South 4th Street
Artesia, New Mexico 88210

Gentlemen:

Re: Three Amigos Federal #1 - NE NW Sec. 19, T. 38S, R. 26E - San Juan County, Utah
713' FNL, 2077' FWL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 188-3 dated September 22, 1988.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form OGC-8-X.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations.

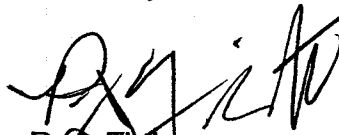
Page 2
Yates Petroleum Corporation
Three Amigos Federal #1
October 3, 1988

A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31456.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.O. Firth', is written over the typed name.

R.O. Firth
Associate Director, Oil & Gas

lr
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API NO. 43-037-31456

NAME OF COMPANY: YATES PETROLEUM CORPORATION

WELL NAME: THREE AMIGOS FEDERAL #1

SECTION NENW 19 TOWNSHIP 38S RANGE 26E COUNTY SAN JUAN

DRILLING CONTRACTOR COLEMAN

RIG # 2

SPUDDED: DATE 11/9/88

TIME 5:30 p.m.

HOW ROTARY

CONFIDENTIAL

DRILLING WILL COMMENCE _____

REPORTED BY JUANITA GOODLETT

TELEPHONE # 505-748-1471

DATE 11/17/88 SIGNED TAS

ENTITY ACTION FORM - DOGM FORM 6

RECEIVED
NOV 14 1988

DIVISION OF
OIL, GAS & MINING

OPERATOR Yates Petroleum Corporation

OPERATOR CODE N-7400

ADDRESS 105 South 4th St.

PHONE NO. 505 , 748-1471

Artesia, NM 88210

CONFIDENTIAL

OPERATORS MUST COMPLETE FORM UPON SPUDDING AND WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	10944	43-037-31456	Three Amigos Federal #1	NENW	19	38S	26E	San Juan	11-9-88	
COMMENTS: Federal Lease Proposed Zone - Akah Field - Squaw Canyon Only well in sec. 19 operated by Yates. Assign new Entity 10944 on 11-14-88. JCR Not in a Unit											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL
 B - ADD NEW WELL TO EXISTING ENTITY
 C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY
 D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY
 E - OTHER (EXPLAIN IN COMMENTS SECTION)

(SEE INSTRUCTIONS ON BACK OF FORM)

Juanita Doolett
SIGNATURE

Production Supervisor 11-10-88

TITLE

DATE

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1471

November 30, 1988

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

RECEIVED
DEC 02 1988

**DIVISION OF
OIL, GAS & MINING**

Utah Natural Resources
Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Three Amigos Federal No. 1, U-64074
NENW, Section 19-T38S-R26E, San County, UT

Gentlemen:

Please hold the logs for the above captioned well confidential
for 30 days.

Thank you.

Yours truly,


Juanita Goodlett
Production Supervisor

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other P&A

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other TITE HOLE!

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements)

At surface 713' FNL & 2077' FWL (NENW)

At top prod. interval reported below

At total depth

14. PERMIT NO.

API #43-037-31456

15. DATE SPURRED

11-9-88

16. DATE T.D. REACHED

11-21-88

17. DATE COMPL. (Ready to prod.)

Dry

20. TOTAL DEPTH, MD & TVD

5780'

21. PLUG, BACK T.D., MD & TVD

-

22. IF MULTIPLE COMPLEMENTS, HOW MANY

1

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

None

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/LDT; DLL-m LSSAV

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	100'	17-1/2"	300 sx	
8-5/8"	32#	1724'	12-1/4"	1060 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature]

TITLE Production Supervisor

DATE 11-30-88

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
			<p>DST #1 5466-5556' (90') Upper Ismay: Times - TO 15", SI 60", TO 90", SI 180". Opened with moderate blow, 1/4" bubble hose. Slight increase to moderately strong blow. Re-opened tool with moderately strong blow, 1/4" bubble hose. Switched over to 1/4" choke thru manifold to reserve pit. Press- ures - 5 mins 2-1/2#, 15 mins 11#, 20 mins GTS with 4' flare, 30 mins 11-1/2#, 45 mins 11-1/2#, 60 mins 12-1/2#, 75 mins 13#, 90 mins 13-1/2#. Closed tool with 6' flare. RECOVERY: 565' total fluid - 375' gas cut mud, 190' gas and water cut mud, trace oil scum. Water sample - (btm) Ch1 18500. SAMPLER: 500 cc total - 100 cc mud, 150 cc water, 100 cc oil and 150 cc oil, mud and gas cut emulsion with 180#, 1.13 cfg. BHT: 132°, Chlorides in sample recovery 28,500. Calcium 1500. PRESSURES: (Btm) IHP 2943; IFP 50-200; ISIP 704; FFP 100-214; FSIP 729; FHP 2907.</p>	<p>Entrada Navajo Chinle Shinarump Cutler Honaker Trail Paradox Upper Ismay Lower Ismay Desert Creek Akah</p>	<p>637 871 1550 2407 2546 4473 5264 5414 5604 5675 5778</p>	

38. GEOLOGIC MARKERS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

INDIVIDUAL WELL RECORD

19				

Sec. 19

T. 38 S.

R. 26 E.

SLB& Mer.

Date February 3, 1989

Ref. No. _____

FEDERAL

Lease No. 64074
Lessee Yates Petroleum Corp., 40% et al
Operator Yates Petroleum Corporation
Well Name & No. Three Amigos Federal 1
A.P.I. Well No. 43-037-31456
Location 713' FNL & 2077' FWL

State Utah
County San Juan
Field Undesignated
Unit/CA _____
District Moab
Subdivision NENW

Date Drilling Approved September 22, 1988
Date Drilling Commenced November 9, 1988
Date Drilling Ceased November 21, 1988
Oral to P&A
XXXXXXXXXXXXXXXXXXXX
Date Completed For Production November 22, 1988

Well Elevation 5194 Ungraded Feet
Total Depth _____ Feet
Initial Production _____
Gravity A.P.I. _____
Initial Reservoir Pressure _____

Abandonment Approved (Final) February 2, 1989
Approved May 28, 1991
FAN GEOLOGIC FORMATIONS

PRODUCTIVE HORIZONS

SURFACE LOWEST TESTED NAME DEPTHS CONTENTS

SURFACE MANAGEMENT AGENCY BLM
MINERAL OWNERSHIP BLM
LEASE EXPIRATION 6/30/93

WELL STATUS

YEAR	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1988											SPUD 11/9/88	
1989		SRA Approved 2/2/89									Oral to P&A 11/22/88	
1991					FAN approved						SRA Reqd 11/28/88	

First Production Memorandum N/A Lease Extension Memorandum N/A Confirmation _____

Remarks _____

JWL 11/22